



Commander, Naval Surface Force, Atlantic

www.cns1.surfor.navy.mil

U.S. NAVY



USS RAMAGE (DDG 61)

Guided Missile Destroyer

Homeport: Norfolk, Virginia

www.ramage.navy.mil



The mission of USS Ramage (DDG 61) is to conduct prompt, sustained combat operations at sea, in support of national policy. She is equipped to operate in a high-density, multi-threat environment as an integral member of a carrier battle group or surface action group (SAG). In addition to her own self defense capabilities in anti-air warfare (AAW), anti-submarine warfare (ASUW), Ramage can effectively provide local area protection to the battle group, surface action group, and other ships.

Ramage is equipped with the world's most sophisticated weapon system. She has an AN/SPY-1D phased array radar, which incorporates significant advances in the detection capabilities of the AEGIS Weapons System, particularly in its resistance to enemy electronic countermeasures (ECM). Using the SPY-1D and her Mark 99 Fire Control System, Ramage can guide her vertically launched Standard Missiles to intercept hostile aircraft and missiles at extended ranges. To provide point defense against hostile air targets, Ramage is equipped with the Block 1 upgrade to the Phalanx Close In Weapons System (CIWS).

Ramage is also equipped with the Navy's latest ASUW Combat Systems. Land attack cruise missile capability is provided by Tomahawk missiles, which are launched from her Mark 41 Vertical Launching System (VLS). Her shorter range Harpoon anti-ship cruise missiles have a range in excess of 65 nautical miles. The 5"/54 caliber gun, in conjunction with the Mark 34 Gun Weapon System, is an anti-ship weapon which can also be used for close-in air contacts or to support forces ashore with Naval Gunfire Support (NFGS).

Finally, Ramage's AN/SQQ-89 integrated ASW suite is the most advanced anti-submarine warfare system in the world today. The AN/SQR-19 Tactical Towed Array Sonar (TACTAS) provides extremely long range passive detection of enemy submarines and the AN/SQS-53C hull-mounted sonar is used to actively and passively detect and localize submarine contacts. Ramage also has the capability to land the SH-60B LAMPS Mark III helicopter which can link to the ship for support in the anti-submarine operations, as well as conducting over-the-horizon targeting missions. Six MK32 torpedo tubes round out the anti-submarine package of Ramage. These systems are supplemented by the SLQ-32V(2) Electronic Warfare Suite, which includes passive detection systems and decoy countermeasures.

Powered by four quick-response General Electric LM-2500 Gas Turbine Engines coupled to two controllable, reversible pitch (CRP) propellers, Ramage has tremendous maneuverability and a top speed in excess of 30 knots. Her expert engineers also provide the ship with electricity, fresh water, heating and air conditioning facilities.

Ramage matches maximum survivability with her potent offensive capability. In the Arleigh Burke Class, all-steel construction is used. Extensive top-side armor is placed around vital combat systems and machinery spaces, and a new large-waterplane area hull form significantly improves seakeeping ability. Acoustic, infrared and radar signatures have been reduced, and vital shipboard systems are hardened against electro-magnetic pulse and over-pressure damage. A comprehensive Collective Protection System guards against nuclear, chemical or biological events. State-of-the-art propulsion and damage control systems are managed by an all-new data multi-plexing system.

SHIP'S SPECIFICATIONS:

GENERAL

Length - 505 feet
Beam (Maximum)- 66 feet
Speed: 30+ knots
Draft (Navigational)- 31 feet
Displacement- 8315 tons full load
Complement- Officers/ Enlisted

ENGINEERING

Propulsion: 4 LM2500 Marine Gas Turbine Engines, 100,000 Shaft Horsepower
3 Allison 2500 kW Gas Turbine Generators
2 Shafts with CRP Propellers
2 Rudders
Electrical:

SENSORS

AN/SPY-1D Radar
AN/SPS-67(V)3 Surface Search Radar
AN/SPS-73(V)12 Surface Search Radar
AN/SQS-53C(V) Sonar
AN/SQR-19(V) TACTAS
AN/SQQ-28(V) LAMPS III Shipboard Electronics
AN/SLQ-32(V)2
AN/SLQ-25A NIXIE Torpedo Countermeasure

WEAPONS

MK36 MOD6 Decoy Launching System (Four Launchers)
MK45 MOD 1 5"/54 Caliber Gun Mount
MK41 MOD2 Vertical Launching Systems
Harpoon Anti-shipping Missiles Quad Canisters
MK15 MOD12 Close-in-Weapons Systems (Two Phalanx Mounts)
2 MK32 MOD14 Triple Torpedo Tubes (MK50/46 Torpedoes)

AIRCRAFT

Keel Laid: January 4, 1993

Christened: April 23, 1994

Commissioned: July 22, 1995